

# STEENA MURRAY MAIN STAGE TECHNICAL INFORMATION

**Capacity: 800-1500**

**CHANDLER CENTER FOR THE ARTS**  
**250 N. Arizona Avenue\*\*\*Chandler, AZ 85225-4567**  
**Phone 480-782-2683 Fax 480-782-2684**  
**[www.chandlercenter.org](http://www.chandlercenter.org)**

The Chandler Center for the Arts is located on the Chandler High School Campus in downtown Chandler on the northwest corner of Arizona Avenue and Chandler Blvd.

The street level only loading bay is located on the west side of the facility in the back parking lot.

## TECHNICAL STAFF

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## ADMINISTRATION

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## LOADING DOCK

The loading door is located on the west side of the facility in the back parking lot.

It is a ground level height, standard roll up type door. The opening is 10 feet wide and 12 feet tall.

There are yellow pylons on either side of opening for truck guidance.

## CARPENTRY

The Main stage can seat 800, or with the addition of two turntables of divisible seating can accommodate up to 1,508.

### STAGE DIMENSIONS:

#### **Proscenium:**

Width: 60'-4"

Height: 29'

Depth: 38' upstage of plaster line

18'-10" downstage of plaster line at center

#### **Wing Space:**

Stage right: 25' with overhead obstructions at 19'-6"

Stage left: 25' with overhead obstructions at 19'-6"

Other floor level obstructions exist please contact technical staff if you are concerned about wing space.

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## **Orchestra Pit:**

Width: 40' Length: 22'

Pit is 10' + deep. There is no lift and the floor has two landings, Center section and 8" lower perimeter. At 4" below stage height there is a re-mesh safety net. Only the conductor's section, 4'x 6', is removable. A plywood and 2x4 framed cover is usually placed on the re-mesh safety net to extend the stage.

## **Stage Floor:**

2x4 sleepers, 16' o.c., covered with 5/8" plywood and decked with 1x4 T-G yellow pine topped with black stained 1/4" Stagemat floor decking.

## **House Drapery:**

Main drape 2 cherry red velour panels 41'6" w x 32'H split traveler hand drawn. This lineset is the only counterweighted lineset in the building.

Main Valance cherry red velour with fullness 12' H

## **Legs:**

Black IFR velour flat, three pair 12'-6" x 30'

## **Borders:**

Black IFR velour flat, three at 10' x 75', one at 12' x 75'

## **Full Blacks:**

Two black IFR velour traveler curtains with 50% fullness, two panels 39'-6" x 30' at mid stage and two panels 38'-6" x 30' upstage.

These double as legs in house hang.

## **Scrim:**

Black scrim 55' x 30'.

## **Cyclorama:**

White seamless leno-filled scrim.

## **Projection Screen:**

One 16'x9' Rear Projection screen on frame.

\*Height to the bottom of pipes is 61', there is no grid.

\*Working height of pipes. *See Lineset Schedule.*

\*Total number of linesets 32. The number available for drapery and scenery, excluding orchestra shell, electrics, and house curtain, is 20 linesets.

\*Capacity of electrics and available sets is 1200lbs. Point load is 150 lbs.

\*Length of pipes varies, *See Line Schedule.*

\*Diameter of pipes is 1 1/2" SCH40 pipe.

\*Control panel is located on the stage right wall.

\***Note:** If your production is a heavy flying show, please contact the Production Coordinator in advance.

Shop is reserved for Chandler High School production activities. Companies should not assume that the shop can be used as an extension of the stage nor to store or assemble scenery. **CONSTRUCTION AND PAINTING INSIDE OR OUTSIDE THE FACILITY IS PROHIBITED.**

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## LIGHTING

### POWER

One 120/208V, 100 AMP disconnect, 3-phase power feed; cam-lok connectors. Stage-Left Shop  
One 120/208V, 200 AMP disconnect, 3-phase power feed; cam-lok connectors. Stage-Left Shop  
One 120/208V, 400 AMP Company Switch disconnect, 3-phase power feed; cam-lok connectors. Stage-Right

### DIMMERS

384 - 2.4KW ETC Sensor+ Dimmers. Two dimmers are dedicated to forestage ceiling lighting.

### CONTROL

ETC Ion Xe with two 20-Channel Universal Fader Wings plus one 1 x 20 Channel Universal Fader Wing (for a total of 100 channel faders) 2048 Output/Parameters, 10,000 Channels and Cues, 1000 Presets, Groups, Effects and Macros. ETC SmartFade 1248 (12 channels) located Stage Right runs independently of the ION Xe.

### LIGHTING INVENTORY 2019

#### Main Stage:

Light Board: ETC Ion Xe (32,768 Channels, 100 Submasters)

House Hang: Lighting Instruments are generally hung as follows:

#### Booth: x1

- 1 - 5° ETC Source Four Lekos (750w) (Units generally focused for Cyc gobos: TDB)
- 2 - 10° ETC Source Four Lekos (750w) (Units generally focused for Cyc gobos: TDB)
- 3 - 14° ETC Source Fours (750w) (Units generally focused for Cyc gobos: TDB)

#### "Balcony" Rail: x1

- 4 - 5° ETC Source Four Lekos (750w). (Units focused for Cyc gobos: "Realistic Stars")
- 2 - 10° ETC Source Four Lekos (750w). (Units focused for Cyc gobos: "Patriotic Stars")
- 2 - 14° ETC Source Fours (750w). (Units focused for Cyc gobo shots: TBD)

#### Back Bridges: x3 (Right Center, Left)

- 2 - 19° ETC Source Fours (750w) **Total: 6 Lekos**
- 2 - 19° ETC Lustr+ (LED) **Total: 6 Lekos**
- 2 - 19° ETC Source 4WRD (LED). **Total: 6 Lekos**  
(Center Bridge has an extra 2 - 19° ETC Source 4WRDs)

#### Front Bridge: x1

- 8 - 5° ETC Source 4 Lekos (750w)
- 14 - 10° ETC Source 4 Lekos (750w)
- 16 - 19° ETC Source 4 Lekos (750W) (Units focused for 2-color Front Washes)
- 6 - 19° ETC Lustr+ (LED). (Paired Units focused for Front Washes SR, C, SL)
- 8 - 19° ETC Source 4WRD (LED). (Units focused for No Color Front Wash)
- 8 - 19°/26° ETC Source 4 Leko pairs. (Units focused for Apron Front/Diagonal Washes)
- 2 - 19° ETC Lustr+ (LED). (OS Units focused for Apron Front/Diagonal Washes)
- 2 - 26° ETC Lustr+ (LED). (OS Units focused for Apron Front/Diagonal Washes)

#### Terms: x2 (Right, Left) *Note: These positions have US architectural obstructions*

- 1 - 19° ETC ColorSource Spots (LED): Hi-side Apron wash
- 1 - 19° ALTMAN PHX250 Leko (LED): **far focus** hi-side Apron gobo wash

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- 1 - 26° ALTMAN PHX250 Leko (LED): **near focus** hi-side Apron gobo wash
- 1 - 19° ETC Source 4 Leko (750w): **Focus: TBD**
- 2 - 19° ETC Source 4 Lekos (750w) **as Curtain Warmers**

## Stage Electric #1-#4: x4

- 6 - ELATION FUZE Pars (LED): Units focused for Down Wash. **Total: 24 Pars**
- 6 - COLORTRAN 8" Fresnels (1000w). Units for 2-color Down Washes. **Total: 42 Fres (24+18)**
- 6 - 26° ETC Source 4WRD (LED): Units for Amber Down Wash. **Total: 24 Lekos**
- 2 - 50° ETC Lustr+ (LED): Units for Pipe-End/ Hi-Side Washes. **Total: 8 Lekos**
- 2 - 26° ALTMAN PHX250 Leko (LED): **far focus** Hi-side Stage wash **Total: 8 Lekos**
- 2 - 36° ALTMAN PHX250 Leko (LED): **near focus** Hi-side Stage wash **Total: 8 Lekos**
- 7 - 36° ETC Source 4 Lekos (750w). (Units focused usually as Downpool Specials)
- 2 - 25°>50° ETC Source 4WRD Zooms: Units for Pipe End "Works" **Total: 8 Lekos**

## CYC Electric (#5 Electric): x1

- 7 - ALTMAN SPECTRA-CYCs 200 (LED).
- 8 - COLORTRAN 2-cell (2 circuit) Far Cycs (1000W) (2 "dedicated" colors)
- 7 - ALTMAN SPECTRA-CYCs 100 (LED): Floor Cycs

## BOOMS #1-#4 (Transverse Electrics SR & SL): (8 Booms Total) x8

- 1 - 36° ALTMAN PHX250 Leko (LED): Units focused as Side Washes: "Highs" @ 7'
- 2 - 36° ETC Source 4 Lekos (750w): Units focused as Side Washes: "MIDs" @ 3' & "Heads" @ 5'
- 1 - 36° ETC Lustr+ (LED): Units focused as Side Washes: "Shins" @ 1'

## Followspots

- 2 - Lycian 1281 SUPERSTAR LED Followspots (1000 WATT 350 FT CANDLES)

## Accessories:

- 10 - Drop-in Iris Kits for the Source Fours
- 24 - Source Four Pattern Holders ("A" & "B" size)
- 2- 6 light "Mole" lights
- 8 - 8' or 12' Booms/Trees
- 24 - 8" Barndoors

## AUDIO

### **Main Stage Communication Systems**

The theatre is hardwired with a two-channel Telex intercom system. There are receptacles at all control positions and stage areas. We have belt-packs and head-sets for all positions. We have some extra packs and sets in case more than one is needed in any one location. If you believe your show or event requires an extraordinary number of head-sets, please contact our Production Department in advance so we may make arrangements.

RTS Odin/ Romeo wireless communication system tied in. 4 belt packs with headsets.

### **Assistive Listening System**

The theatre has a Sennheiser infrared controlled assistive listening system for patrons by request. The house manager has a number of lightweight headsets that may be obtained in the Foyer.

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## **Show Program Audio**

Audio show program is sent to the Foyer for patrons as well as back stage and dressing room areas for performers. There are separate control knobs in each dressing room and in the green room for volume level.

Video monitors Stage Left, Stage Right, Greenroom, stage level dressing rooms, downstairs hallway outside of chorus dressing rooms.

## **Sound location**

The audio mix position is located at audience level 85 feet from the stage at back of house center. Please contact Dean Hannula or Jason Krull for details.

## **Mixing Console**

Yamaha Rivage PM7, 3x Rio3224D2 I/O for total of 104 possible inputs with head amps. 8 Omni inputs include the Neve Silk preamps. 1 Rio mounted stage left, other 2 are mobile and can be placed and patched as needed. Typically 1 stage right, and other FOH.

## **Outboard equipment**

(1) Dolby Lake LM44 Processor inputs Dante, AES, or Analog to main L&R – Subs & all fill zones. AES output to Mains. No adjustments allowed to our processor. It is simply doing routing no Eq's in Lake.

(1) Tascam professional CD player Cd-01U – single rack space

(1) Tascam dual drawer CD recorder/player CD-rw401

(1) IMAC with Qlab, and system control software.

## **Speakers**

House Mains: CODA Airay 8 per side, 3 feet downstage of main curtain line – left & right

(6) CODA Hops 8 as front fill spaced evenly just under the lip of stage

(6) CODA Hops 5 balcony delays

(8) CODA SCV-F 18" sub cabinets are located behind stage front grill

Monitors: 4 monitor mixes maximum from FOH. (Additional mixes/monitors available, see monitor package below)

(8) Vue HM-112 wedges. (More wedges available, see monitor package below)

(4) Martin Audio LE12J hung as side fills. (2 each side of stage on separate mix sends)

## **Main snake**

House system I/O is Dante.

(6) Cat6A and Single mode Fiber patches to FOH position available.

Main stage box and split are located back stage left.

(1) Whirlwind concert series 56 channels with monitor split W-4 connect Sub-snake available as dry lines to Mix position. 3, 12 Channel input boxes via W-6 connections, extra snakes available as needed with the analog Split.

(3) Whirlwind 75' 12 channel snakes.

(2) Whirlwind 50' 6 channel snakes.

## **Monitor Package** (Extra charges may apply)

(1) Yamaha Rivage PM7 in tilt case

(8) Vue HM-112 wedges (up to 14 subject to availability)

(8) Martin Audio LE1500's with Crown amps, and processors

(6) Martin Audio F8's

(2) Martin Audio SXP118 powered subs

(2) Martin Audio DD12 powered 2 way

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## Microphones & Direct boxes

- (6) Shure SM58
- (7) Shure SM57
- (4) Neumann KMS105
- (1) Telefunken M80
- (1) Telefunken M81
- (1) Sennheiser 865
- (1) Beyerdynamic M88TG
- (4) Sennheiser 5000 Series wireless receivers with 4 hand held (Nuemann K105 or Sennheiser MD5235 Capsules) and 4 Lavalier packs.
- (2) Sennhesser G3 wireless receivers with 2 hand held (865 or 965 Capsules) and 2 Lavalier packs.
- (4) Sennhesser G4 wireless receivers with 2 hand held (865 or 965 Capsules) and 4 Lavalier packs.

\*Extra charges may apply for use of more than 2 wireless

- (2) Electro Voice N/D468
- (1) Electro Voice N/D478
- (2) Electro Voice N/D68
- (1) Electro Voice RE20
- (2) Electro Voice RE200
- (2) Electro Voice ND44
- (1) Electro Voice ND46
- (1) Electro Voice ND96
- (1) Shure beta 52
- (4) Shure beta 56
- (2) Shure SM81
- (1) Shure SM91
- (2) Sennheiser MKH40
- (4) Sennheiser 421
- (2) Josephson engineering C-42
- (2) Neumann TLM102
- (2) DPA 4021 (complete stereo kit)
- (4) DPA 4099 (mounts for guitar, violins, bass, cello, piano, horns)
- (2) DPA 4060 mini-condensers (omni & cardioid caps)
- (5) Crown PCC-160 floor boundary mics
- (4) Countryman type 85 active direct boxes
- (4) Klark Teknik dn100 active direct boxes
- (3) Whirlwind Direct2 stereo passive boxes
- (1) Whirlwind director passive direct box
- (1) Radial engineering stereo PC direct box
- (1) Radial USB DI
- (1) Radial Bluetooth DI
- (1) Averson Audio Active DI
- (1) Intech X12 Active DI
- (1) Telefunken ST passive DI
- (1) Telefunken ST Active DI
- (2) Cloud lifter

## Cables and stands

We have many 25 foot and 50 foot XLR cables as well as ample Neutrik speaker cable for the in house wedges. Several sub-snake, fan-out to box runs in various lengths. Tri-pod boom stands, round base, and desktop stands available with a variety of clips.

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## VIDEO PROJECTION EQUIPMENT

\*Video projection packages are subject to availability and extra charges may apply

- (1) Panasonic PT-RZ12K mounted FOH with 4.6-7.4:1 Lens. SDI patchable to various locations, HDMI from lighting booth
- (1) - 9'x16' Rear Projection Screen on frame.
- (1) Roland V-50 HD Audio/Video Switcher
- (1) Macbook Pro laptop

## VIDEO STREAMING EQUIPMENT

- (1) Panasonic AW-UE100 PTZ camera mounted FOH as wide shot
- (1) Panasonic AW-UE150 PTZ camera mounted FOH
- (1) Panasonic AW-UE70 PTZ camera can be placed as needed per event.

Video production flight case includes:

- (1) Roland V-50 HD Audio/video switcher
- (1) Panasonic AW-RP150 camera controller
- (2) Datavideo TLM102 Dual monitor
- (1) AJA Kumo 16x16 3G-SDI Router
- (1) AJA Helo Stream/record deck
- (1) Lenovo 15" laptop for control

## PROPERTIES

### ORCHESTRA PIT (There is no lift.)

Width: 40'

Length: 22"

Contact Production staff for specific details and to assess your show's needs.

### MUSIC

120-Wenger Black straight back music chairs. 75-Wenger adjustable music stands and 24 music stand lights. 1-large conductor music stand. Wenger conductor podium (base podium and upper podium) plus 1-3'x3'x8" carpeted podium. One Steinway Model D-9' Grand piano, which cannot be placed in the orchestra pit. One Schimmel upright piano is available for use in the pit.

### ORCHESTRA SHELL

A fully flexible acoustic shell is available.

### RISERS

12- 4'x8' staging risers. 8",16",24",32" legs. Varied amounts available, contact production department.

8- 4-step SICO Choral risers

### DANCE FLOOR

5- Rolls 60'x 6'. Shoes, rosin, and scenery may not be used on Center's dance floor.

## WARDROBE

### DRESSING ROOMS

2-Dressing suites, capacity 3-5 persons each. Located up stage left, off of crossover hallway.

2-Chorus rooms, capacity of 20 persons each. Located directly below the stage.

1-Principal room, capacity 1-2 persons, located off stage right in the Green Room.

All dressing rooms have toilets, sinks, showers, counters, mirrors, lights, and clothes racks. Accessible restrooms are located near the chorus dressing rooms in the basement. An elevator is available from stage level to basement level.

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## **WARDROBE AREA**

There is no dedicated wardrobe area. Typically setup on as needed basis/location.

## **EQUIPMENT**

1-Ironing board, 1- Iron, 6- Wenger rolling racks, 2- Steamer

## **QUICK CHANGE BOOTHS**

3-Approximately 8' x 8'

## **LAUNDRY**

Facility has one industrial-size washer and two dryers.

Diamondback Cleaners  
610 N. Alma School Road Ste. 62  
Chandler 480.786.3230

Preference Drive-In Cleaners  
1003 N. Arizona Ave.  
Chandler, AZ 480-963-4017

## **PRODUCTION**

### **PRODUCTION ROOM**

There is no room devoted as a company production room. Greenroom or a dressing room may be used.

### **GREEN ROOM**

Located stage right with direct access to stage and crossover hallway.

### **STAGE MANAGERS CONSOLE**

There is no stage managers console.

### **REHEARSAL ROOMS**

The Drama room and the Dance Studio can be made available on an as needs basis. Please contact the Senior Production Coordinator.

### **CREWS**

The Center uses professional crews. All Center equipment will be set-up, operated and struck by Center's crew only. No performing group will be permitted access unless scheduled and staff member is present.

### **ACCESSIBILITY ACCESS**

The Center meets A.D.A. requirements for performers and patrons. Contact Senior Production Coordinator for specific needs.



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## Mainstage Lineset Schedule

Current Show:

Last Updated: 7-14-2020

Lineset #	Distance	House Hang	Show Hang	Weight	Show Spikes		Notes
					In	Out	
G	1'-2"	Main Drape					
1	1'-11"	Valence					
2	2'-6"						
3	3'-10"	1 <sup>st</sup> Electric					
4	5'-0"	Screen					
5	6'-6"	Shell 1					
6	7'-8"	1 <sup>st</sup> Border					
7	8'-5"	Mover Electric					
8	9'-2"						
9	9'-11"	1 <sup>st</sup> Legs					
10	---	---	---	---	---	---	---
11	11'-10"	2 <sup>nd</sup> Electric					
12	13'-0"	Shell 2					
13	14'-2"						
14	14'-11"	2 <sup>nd</sup> Border					
15	15'-10"						
16	16'-7"	MS Traveller					
17	---	---	---	---	---	---	---
18	18'-6"	3 <sup>rd</sup> Electric					
19	19'-8"	Shell 3					
20	20'-10"						
21	21'-7"	3 <sup>rd</sup> Border					
22	22'-4"						
23	23'-1"	3 <sup>rd</sup> Legs					
24	---	---	---	---	---	---	---
25	25'-0"	4 <sup>th</sup> Electric					
26	26'-2"	Shell 4					
27	27'-4"						
28	28'-1"						
29	28'-10"						
30	29'-7"	4 <sup>th</sup> Border					
31	30'-4"						
32	31'-1"	US Traveller					
33	---	---	---	---	---	---	---
34	33'-0"	5 <sup>th</sup> Electric					
35	34'-2"						
36	34'-11"						
37	35'-8"						
38	36'-5"	5 <sup>th</sup> Legs					
39	37'-2"	Cyclorama					
40	38'-6" SL	SL Tabs					
41	39'-8" SL	SL Electric					
42	38'-0" SR	SR Electric					
43	38'-10" SR	SR Tabs					
44	24' SL	SL PA Hoist					
45	24' SR	SR PA Hoist					